Privacy-loss Budget Allocation 2021-06-08
Person Tables (Production Settings)
United States

Global *rho*	2.56
Global *epsilon*	17.14
delta	10^{-10}

	rho Allocation by Geographic Level
US	104/4099
State	1440/4099
County	447/4099
Tract	687/4099
Optimized Block Group*	1256/4099
Block	165/4099

Query	Per Query *rho* Allocation by Geographic Level					
	US	State	County	Tract	Optimized Block Group*	Block
TOTAL (1 cell)		3773/4097	3126/4097	1567/4102	1705/4099	5/4097
CENRACE (63 cells)	52/4097	6/4097	10/4097	4/2051	3/4099	9/4097
HISPANIC (2 cells)	26/4097	6/4097	10/4097	5/4102	3/4099	5/4097
VOTINGAGE (2 cells)	26/4097	6/4097	10/4097	5/4102	3/4099	5/4097
HHINSTLEVELS (3 cells)	26/4097	6/4097	10/4097	5/4102	3/4099	5/4097
HHGQ (8 cells)	26/4097	6/4097	10/4097	5/4102	3/4099	5/4097
HISPANIC*CENRACE (126 cells)	130/4097	12/4097	28/4097	1933/4102	1055/4099	21/4097
VOTINGAGE*CENRACE (126 cells)	130/4097	12/4097	28/4097	10/2051	9/4099	21/4097
VOTINGAGE*HISPANIC (4 cells)	26/4097	6/4097	10/4097	5/4102	3/4099	5/4097
VOTINGAGE*HISPANIC*CENRACE (252 cells)	26/241	2/241	101/4097	67/4102	24/4099	71/4097
HHGQ*VOTINGAGE* HISPANIC*CENRACE (2,016 cells)	189/241	230/4097	754/4097	241/2051	1288/4099	3945/4097

*The Optimized Block Groups used within the TopDown Algorithm differ from tabulation block groups. These differences improve accuracy for "off-spine" geographies like places and minor civil divisions. The use of optimized block groups for measurement and post-processing within the TopDown Algorithm does not impact how the resulting data will be tabulated. All Census data products will be tabulated using the official tabulation block groups as defined by the Census Bureau's Geography Division.

**The TOTAL query (total population) is held invariant at the state level. This rho allocation assigned to TOTAL at the state level is the amount assigned to the state-level queries for the total population of all American Indian and Alaska Native (AIAN) tribal areas within the state and for the total population of the remainder of the state, for the 36 states that include AIAN tribal areas.

Privacy-loss Budget Allocation 2021-06-08
Units Tables (Production Settings))
United States

Global *rho*	0.07
Global *epsilon*	2.47
delta	10^{-10}

	rho Allocation by Geographic Level
US	1/205
State	1/205
County	7/82
Tract	364/1025
Optimized Block Group*	1759/4100
Block	99/820

Query	Per Query *rho* Allocation by Geographic Level					
	US	State	County	Tract	Optimized Block Group*	Block
Detail (2 cells)	1/1	1/1	1/1	1/1	1/1	1/1

*The Optimized Block Groups used within the TopDown Algorithm differ from tabulation block groups. These differences improve accuracy for "off-spine" geographies like places and minor civil divisions. The use of optimized block groups for measurement and post-processing within the TopDown Algorithm does not impact how the resulting data will be tabulated. All Census data products will be tabulated using the official tabulation block groups as defined by the Census Bureau's Geography Division.

Per Attribute Epsilons	
HHGQ	7.24
VOTINGAGE	7.57
HISPANIC	10.04
CENRACE	10.08
H1	2.47

Cross-Universe (Persons+Units) By-Geolevel Epsilons	
Block within Block Group	3.06
Block within Tract	9.62
Block within County	12.04
Block within State	13.4
Block within US	17.18

Privacy-loss Budget Allocation 2021-06-08
Person Tables (Production Settings)
Puerto Rico

Global *rho*	2.56
Global *epsilon*	17.14
delta	10^{-10}

	rho Allocation by Geographic Level
PR	689/4099
Municipio	695/4099
Tract	772/4099
Optimized Block Group*	1778/4099
Block	165/4099

	Per Query *rho* Allocation by Geographic Level				
Query	PR	Municipio	Tract	Optimized Block Group*	Block
TOTAL (1 cell)	■	3126/4097	1467/4102	1876/4103	5/4097
CENRACE (63 cells)	11/108	10/4097	13/4102	4/4103	9/4097
HISPANIC (2 cells)	11/108	10/4097	1/586	4/4103	5/4097
VOTINGAGE (2 cells)	11/108	10/4097	1/586	4/4103	5/4097
HHINSTLEVELS (3 cells)	11/108	10/4097	1/586	4/4103	5/4097
HHGQ (8 cells)	11/108	10/4097	1/586	4/4103	5/4097
HISPANIC*CENRACE (126 cells)	53/513	28/4097	866/2051	749/4103	21/4097
VOTINGAGE*CENRACE (126 cells)	53/513	28/4097	15/2051	10/4103	21/4097
VOTINGAGE*HISPANIC (4 cells)	11/108	10/4097	1/586	4/4103	5/4097
VOTINGAGE*HISPANIC*CENRACE (252 cells)	56/513	101/4097	50/2051	27/4103	71/4097
HHGQ*VOTINGAGE*HISPANIC*CENRACE (2,016 cells)	25/342	754/4097	725/4102	1417/4103	3945/4097

*The Optimized Block Groups used within the TopDown Algorithm differ from tabulation block groups. These differences improve accuracy for "off-spine" geographies like places and minor civil divisions. The use of optimized block groups for measurement and post-processing within the TopDown Algorithm does not impact how the resulting data will be tabulated. All Census data products will be tabulated using the official tabulation block groups as defined by the Census Bureau's Geography Division.

Privacy-loss Budget Allocation 2021-06-08
Units Tables (Production Settings)
Puerto Rico

Global *rho*	0.07
Global *epsilon*	2.47
delta	10^{-10}

	rho Allocation by Geographic Level
PR	5047/876580
Municipio	18746/219145
Tract	94451/262974
Optimized Block Group*	281911/657435
Block	99/820

	Per Query *rho* Allocation by Geographic Level				
Query	PR	Municipio	Tract	Optimized Block Group*	Block
Detail (2 cells)	1/1	1/1	1/1	1/1	1/1

*The Optimized Block Groups used within the TopDown Algorithm differ from tabulation block groups. These differences improve accuracy for "off-spine" geographies like places and minor civil divisions. The use of optimized block groups for measurement and post-processing within the TopDown Algorithm does not impact how the resulting data will be tabulated. All Census data products will be tabulated using the official tabulation block groups as defined by the Census Bureau's Geography Division.

Per Attribute Epsilons	
HHGQ	8.69
VOTINGAGE	9.49
HISPANIC	11.65
CENRACE	11.69
H1	2.47

Cross-Universe (Persons+Units) By-Geolevel Epsilons	
Block within Block Group	3.06
Block within Tract	11.39
Block within Municipio	13.82
Block within PR	15.72